

Appl. No. 09/801,195
Amdt. dated December 9, 2005
Reply to Office Action of 07/27/2005

AMENDMENTS TO THE CLAIMS

Listing of Claims:

Claims 20-26, 28-33 and 35-38 are pending in this application.

Please cancel claim 21 without prejudice or disclaimer of the subject matter therein and amend claims 20, 22 and 25, and enter new claim 39 as set forth in the following listing of the claims.

Claims 1-19 (canceled)

20. (currently amended) A display device
(1) having a housing (3) on a front side of which, facing a viewer, a liquid crystal cell (2) is mounted; a printed circuit board (4) which is arranged on a rear of the housing (3); and wherein for making electrical contact with the liquid crystal cell (2), the display device includes a contacting element (8) which is clamped against the liquid crystal cell (2), is approximately plate-shaped and is guided at its larger sides (13, 14) in the housing (3) for making electrical connection between the printed circuit board (4) and the liquid crystal cell (2), the contacting element being arranged between the printed circuit

board (4) and a contacting region (7) of the liquid crystal cell (2) which is arranged outside a display region (6) of the liquid crystal cell (2); wherein the housing (3) is provided with a first hook element (9), as a mating holding element for the clamped contacting element (8), which engages over the liquid crystal cell (2) in the contacting region (7), and the housing (3) is provided with a second hook element (10) which engages over the liquid crystal cell (2) in a region which lies opposite the contacting region (7) and is arranged outside the display region (6) of the liquid crystal cell (2); and wherein the housing ~~with the first and the second hook elements constitute a single plastic injection molded component~~ has an external side wall (17) and an internal side wall (18) for guiding the contacting element (8), and the first hook element (9) is rigidly connected to the external side wall (17) of the housing.

21. (canceled)

22. (currently amended) The display device as claimed in claim [[21]] 20, wherein the side wall (17) is reinforced by a first web (11).

23. (previously presented) The display device as claimed in claim 20, wherein the first hook element (9) engages over the contacting region (7) approximately over its entire length.

24. (previously presented) The display device as claimed in claim 20, wherein the second hook element (10) is connected to the housing (3) so that it is elastic approximately in a direction of a display plane of the liquid crystal cell (2).

25. (currently amended) The display device as claimed in claim [[24]] 39, wherein housing further comprises an elastic side wall (15), wherein the second hook element (10) is arranged on said elastic side wall (15) of the housing (3), and wherein an elastic deflection of the side wall (15) carries the second hook element (10) away from a location of the liquid crystal cell (2) to permit emplacement of the liquid crystal cell in its location.

26. (previously presented) The display device as claimed in claim 25, wherein the housing (3) has two slits (16) which are arranged in the same plane, approximately perpendicular with respect to the display plane of the liquid crystal side (2), and form the elastic side wall (15).

Claim 27 (canceled)

28. (previously presented) The display device as claimed in claim 20, wherein a supporting element (19) which is clamped between the liquid crystal cell (2) and the printed circuit board (4) is arranged on a side of the housing (3) lying opposite the contacting element (8).

29. (previously presented) The display device as claimed in claim 28, wherein the supporting element (19) and the contacting element (8) have approximately the same elastic properties.

30. (previously presented) The display device as claimed in claim 28, wherein the housing has an external sidewall (15) and an internal side wall (20) for guiding the supporting element (19) in the housing (3) between the external side wall (15) and the internal side wall (20), lying opposite the latter, of the housing (3).

31. (previously presented) The display device as claimed in claim 28, wherein the supporting element (19) is electrically conductive.

32. (previously presented) The display device as claimed in claim 20, wherein the housing (3) has second webs (21) which lie opposite each other and guide the liquid

crystal cell (2) on sides over which said hook elements (9, 10) do not engage.

33. (previously presented) The display device as claimed in claim 20, wherein the contacting element (8) and/or a supporting element (19) is conductive rubber.

34. (canceled)

35. (previously presented) The display device as claimed in claim 20, wherein the housing (3) is in two parts, a first housing part (22) having external housing walls (15, 17) and a second housing part (23) which is insertable into the first housing part (22) having internal housing walls (18, 20), the first hook element and the second hook element being portions of the first housing part, and wherein the liquid crystal cell (2) is located between the hook elements and supported by the second housing part, and the contacting element (8) is located between the first housing part (22) and the second housing part (23).

36. (previously presented) The display device as claimed in claim 20, wherein, in a vicinity of the contacting element (8) and/or of a supporting element (19), the distance between an inner housing wall (18, 20) and an outer housing wall (15, 17) corresponds approximately to the thickness

of the contacting element (8) and/or of the supporting element (19).

37. (previously presented) The display device as claimed in claim 35, wherein the first housing part (22) and the second housing part (23) are connected to one another so as to form a single component.

38. (previously presented) The display device as claimed in claim 37, wherein the first housing part (22) and the second housing part (23) are connected to a film (24).

39. (new) A display device (1) having a housing (3) on a front side of which, facing a viewer, a liquid crystal cell (2) is mounted; a printed circuit board (4) which is arranged on a rear of the housing (3); and wherein for making electrical contact with the liquid crystal cell (2), the display device includes a contacting element (8) which is clamped against the liquid crystal cell (2), is approximately plate-shaped and is guided at its larger sides (13, 14) in the housing (3) for making electrical connection between the printed circuit board (4) and the liquid crystal cell (2), the contacting element being arranged between the printed circuit board (4) and a contacting region (7) of the liquid crystal cell (2) which is arranged outside a display region (6) of the liquid crystal cell (2);

wherein the housing (3) is provided with a first hook element (9), as a mating holding element for the clamped contacting element (8), which engages over the liquid crystal cell (2) in the contacting region (7), and the housing (3) is provided with a second hook element (10) which engages over the liquid crystal cell (2) in a region which lies opposite the contacting region (7) and is arranged outside the display region (6) of the liquid crystal cell (2); and

wherein a supporting element (19), which is clamped between the liquid crystal cell (2) and the printed circuit board (4), is arranged on a side of the housing (3) lying opposite the contacting element (8), the housing (3) has a second external side wall (15) and a second internal side wall (20) guiding the supporting element (19) in the housing (3) between the second external side wall (15) and the second internal side wall (20), and a second hook element (10) is connected to the second external side wall (15).